SPYWOLF

Security Audit Report

Completed on
April 12, 2023

OVERVIEW

This audit has been prepared for **Ordinal Doge** to review the main aspects of the project to help investors make make an informative decision during their research process.

You will find a a summarized review of the following key points:

- ✔ Contract's source code
- ✔ Owners' wallets
- ✔ Tokenomics
- ✔ Team transparency and goals
- ✔ Website's age, code, security and UX
- ✔ Whitepaper and roadmap
- ✔ Social media & online presence

The results of this audit are purely based on the team's evaluation and does not guarantee nor reflect the projects outcome and goal

– SPYWOLF Team –

SPYWOLF.CO

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Ordinal Doge

PROJECT DESCRIPTION

According to their website:

Ordinal Doge - $oDOGE Doge on Bitcoin. It just makes sense.

Ordinals are quite the leap in Blockchain Technology.

What once was thought to be impossible, Ordinal technology has unlocked the TRUE power of the Bitcoin Network: JPEGs and MEMECOINS!

Enter $oDOGE — The ORIGINAL MEMECOIN now on the ORIGINAL BLOCKCHAIN, BITCOIN!

Release Date: Launching on April 13th, 2023
Category: Meme coin

01

CONTRACT INFO

Token Name
Ordinal Doge

Symbol
oDoge

Contract Address
0x68b429161ec09a6c1d65ba70727ab1faa5bc4026

Network
Ethereum

Language
Solidity

Deployment Date
Apr 11, 2023

Verified?
Yes

Total Supply
1,000,000,000,000,000

Status
Not launched

TAXES

Buy Tax
none

Sell Tax
none

Our Contract Review Process

The contract review process pays special attention to the following:

✓ Testing the smart contracts against both common and uncommon vulnerabilities

✓ Assessing the codebase to ensure compliance with current best practices and industry standards.

✓ Ensuring contract logic meets the specifications and intentions of the client.

✓ Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders.

✓ Thorough line-by-line manual review of the entire codebase by industry experts.

Blockchain security tools used:

- OpenZeppelin
- Mythril
- Solidity Compiler
- Hardhat

TOKEN TRANSFERS STATS

Transfer Count	2
Uniq Senders	2
Uniq Receivers	2
Total Amount	2000000000000000 oDoge
Median Transfer Amount	1000000000000000 oDoge
Average Transfer Amount	1000000000000000 oDoge
First transfer date	2023-04-11
Last transfer date	2023-04-11
Days token transferred	1

SMART CONTRACT STATS

Calls Count	4
External calls	2
Internal calls	2
Transactions count	3
Uniq Callers	3
Days contract called	1
Last transaction time	2023-04-11 17:56:35 UTC
Created	2023-04-11 15:04:23 UTC
Create TX	0x36415bd0218c69c8b1f4ff3b3d88a7ff8cdc0dfc465ef862c4723fb51f4fff90
Creator	0x85aa7f78bdb2de8f3e0c0010d99ad5853ffcfc63

VULNERABILITY CHECK

Design Logic	Passed
Compiler warnings.	Passed
Private user data leaks	Passed
Timestamp dependence	Passed
Integer overflow and underflow	Passed
Race conditions and reentrancy. Cross-function race conditions	Passed
Possible delays in data delivery	Passed
Oracle calls	Passed
Front running	Passed
DoS with Revert	Passed
DoS with block gas limit	Passed
Methods execution permissions	Passed
Economy model	Passed
Impact of the exchange rate on the logic	Passed
Malicious Event log	Passed
Scoping and declarations	Passed
Uninitialized storage pointers	Passed
Arithmetic accuracy	Passed
Cross-function race conditions	Passed
Safe Zeppelin module	Passed
Fallback function security	Passed

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THREAT LEVELS

When performing smart contract audits, our specialists look for known vulnerabilities as well as logical and access control issues within the code. The exploitation of these issues by malicious actors may cause serious financial damage to projects that failed to get an audit in time. We categorize these vulnerabilities by the following levels:

High Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Medium Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Low Risk

Issues on this level are minor details and warning that can remain unfixed.

Informational

Information level is to offer suggestions for improvement of efficacy or security for features with a risk free factor.

FOUND THREATS

⚠️ High Risk

No high risk-level threats found in this contract.

⚠️ Medium Risk

No medium risk-level threats found in this contract.

⚠️ Low Risk

No low risk-level threats found in this contract.

06-A

ℹ️ Informational

Current curator can change token's curator.
Current curator is 0x568465F9c8915E4e3ACCaCE09ee19B241AE776c7.

```solidity
function updateCurator(address _curator) external {
    require(msg.sender == curator, "update:not curator");

    curator = _curator;
}
```

Contract's curator can set fee up to 10%.
This fee is auto minted and paid to the token's curator.
For more detailed information of how this works,
visit https://fractional.art/ and familiarize yourself with the platform.

```solidity
uint256 public override maxCuratorFee;
maxCuratorFee = 100;
function updateFee(uint256 _fee) external {
    require(msg.sender == curator, "update:not curator");
    require(_fee <= ISettings(settings).maxCuratorFee(),
    "update:cannot increase fee this high");

    _claimFees();

    fee = _fee;
}
```

06-B

ℹ️ Informational

This token is fractionalized NFT token, represented as ERC20 token created via the fractional art's platform (1 token = 1 fraction).
The NFT itself is not in the scope of this audit and its vault is not currently verified by fractional art's platform.
For more information about this kind of tokens check:
https://fractional.art/

For more information about this exact token check:
https://fractional.art/vaults/ordinal-doge-kv3rmw

IMPLIED VALUATION ❓

Annual fraction inflation (percentage of the total supply) auto-minted and paid to the creator.

CURATOR FEE ❓

0%

Auction / Bidding

Buy Fractions ❓

PRICE SET BY FRACTION OWNERS

0%

An auction for this vault is only possible if reserve prices have been set by owners who collectively hold more than 50% of the total fraction supply.

RESERVE PRICE ❓

Ξ **0.0000**

Once a bid has been placed and the reserve price is met, a **7 day** auction will begin.

06-C

RECOMMENDATIONS FOR
GOOD
PRACTICES

1. Consider fundamental tradeoffs

2. Be attentive to blockchain properties

3. Ensure careful rollouts

4. Keep contracts simple

5. Stay up to date and track development

Ordinal Doge
GOOD PRACTICES FOUND

✔ The owner cannot mint new tokens after deployment

✔ The owner cannot stop or pause the contract

✔ The owner cannot set a transaction limit

07

Based on project's social media announcements, this is V2 version of ordinal Doge and migration process from V1 tokens will happen in the following manner:

The V2 tokens will be launched with funds raised by selling the gathered tokens, which were contributed by community members who transferred their tokens in time. Airdropping V2 tokens to those who did not send their tokens on time would be unfair to those who did contribute to the V2 LP. Deadline period for sending V1 tokens to team had been set, and those who missed it will not receive V2 tokens. The V1 tokens of those members who hold their tokens in centralized exchanges (CEX) where oDoge is, listed will be migrated automatically to V2 tokens.

Website URL
https://odoge.io/

Domain Registry
https://www.namecheap.com/

Domain Expiration
Expires on 2024-03-25

Technical SEO Test
Passed

Security Test
Passed. SSL certificate present

Design
Single page design, appropriate color scheme and graphics.

Content
The information helps new investors understand what the product does right away. No grammar mistakes found.

Whitepaper
No

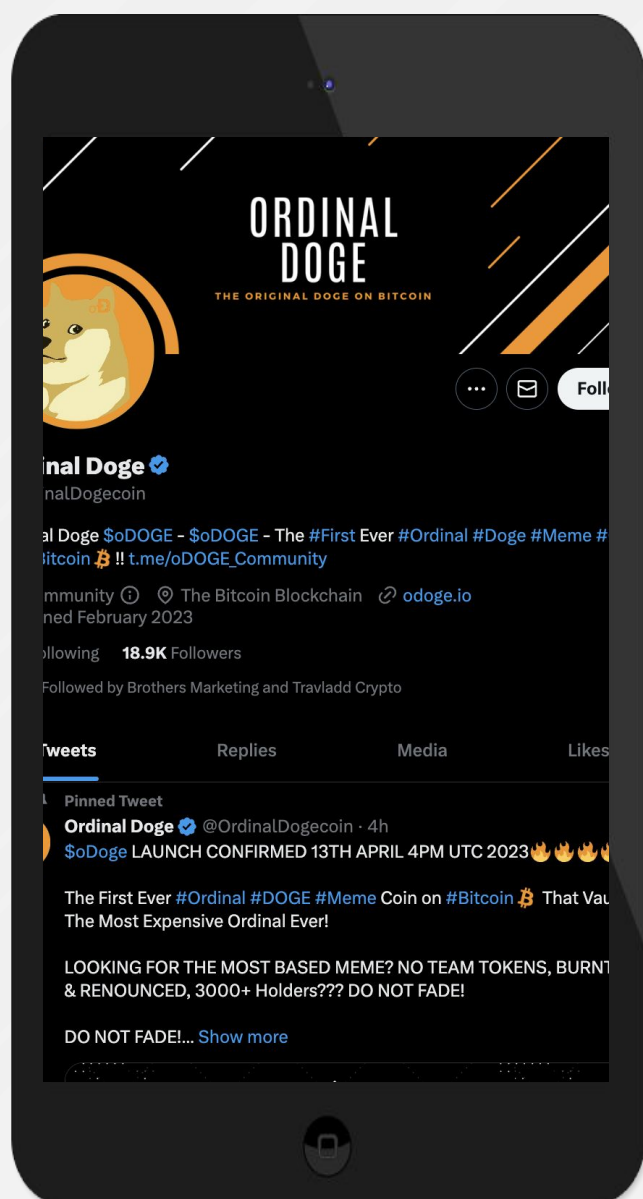**Roadmap**
No

Mobile-friendly?
Yes

odoge.io

SOCIAL MEDIA
& ONLINE PRESENCE

Project's social media pages are active with organic users.

Twitter

@OrdinalDogecoin

- 18 900 followers
- Active
- Posts frequently

Discord

- Not available

Telegram

@oDOGE_Community

- 10 838 members
- Active members
- Active mods

Medium

@mrodoge

- 1 article

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SPYWOLF
CRYPTO SECURITY

Audits | KYCs | dApps
Contract Development

ABOUT US

We are a growing crypto security agency offering audits, KYCs and consulting services for some of the top names in the crypto industry.

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- ✔ **MORE THAN 500 SCAMS EXPOSED**

- ✔ **MILLIONS SAVED IN POTENTIAL FRAUD**

- ✔ **PARTNERSHIPS WITH TOP LAUNCHPADS, INFLUENCERS AND CRYPTO PROJECTS**

- ✔ **CONSTANTLY BUILDING TOOLS TO HELP INVESTORS DO BETTER RESEARCH**

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Disclaimer

This report shows findings based on our limited project analysis, following good industry practice from the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, overall social media and website presence and team transparency details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report.

While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the disclaimer below – please make sure to read it in full.

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No applications were reviewed for security. No product code has been reviewed.

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